

KDS Operational Risk and Safety Manual

When making the first visit to farm, locate the best helipad site for the mission along with an alternate landing site. Check for clearance at each site along with poles, power lines and tree heights.

The fundamental rule for any rotorcraft that may have a malfunction is to land as soon as possible and then decide what the problem is.

1. Risk: Any perceived problem when the UAS is in the air. Activate RTH or land with manual control.
2. Risk: Loss of RC Signal (three seconds or more). Aircraft will return to home automatically. Ensure that RTH is set above obstacles.
3. Risk: Low Battery... Land as soon as possible with manual control.
4. Risk: Lost VLOS. Activate RTH and land aircraft. Communicate with VO.
5. Risk: Loss of one motor. Land as soon as possible with manual control. Aircraft will fly with five motors.
6. Risk: Critical low Battery...Aircraft tries to land. Maintain altitude with left stick to land in clear area.
7. Risk: Flyaway. Regain manual control by the toggle switch on the RC. Land as soon as possible.
8. Risk: Spray equipment malfunction. Land and troubleshoot the problem with rotors stopped.

